



FIG.1A

1 CAGTGTGCTG GCGGCCCGGC GCGAGCCGGC CCGGCCCGG TCGGGCCTCC  
-26

GAAACC ATG AAC TTT CTG CTG TCT TGG GTG CAT TGG AGC  
M N F L L S W V H W S  
-26 -20

90 CTC GCC TTG CTG CTC TAC CTC CAC CAT GCC AAG TGG TCC CAG  
-15 L A L L L Y L H H A K W S Q  
-10

GCT GCA CCC ATG GCA GAA GGA GGA GGG CAG AAT CAT CAC  
A A P M A E G G G Q N H H  
-1 +1 +5 +10

171 GAA GTG GTG AAG TTC ATG GAT GTC TAT CAG CGC AGC TAC TGC  
13 E V V K F M D V Y Q R S Y C  
+15 +20 +25 +26

CAT CCA ATC GAG ACC CTG GTG GAC ATC TTC CAG GAG TAC  
H P I E T L V D I F Q E Y  
+30 +35

252 CCT GAT GAG ATC GAG TAC ATC TTC AAG CCA TCC TGT GTG CCC  
40 P D E I E Y I F K P S C V P  
+40 +45 +50 +51

CTG ATG CGA TGC GGG GGC TGC TGC AAT GAC GAG GGC CTG  
L M R C G G C C N D E G L  
+55 +57 +60 +61 +65

333 GAG TGT GTG CCC ACT GAG GAG TCC AAC ATC ACC ATG CAG ATT  
67 E C V P T E E S N I T M Q I  
+68 +70 +75 +80

ATG CGG ATC AAA CCT CAC CAA GGC CAG CAC ATA GGA GAG  
M R I K P H Q G Q H I G E  
+85 +90

414 ATG AGC TTC CTA CAG CAC AAC AAA TGT GAA TGC AGA CCA AAG  
94 M S F L Q H N K C E C R P K  
+95 +100 +102 +104 +105

AAA GAT AGA GCA AGA CAA GAA AAT CCC TGT GGG CCT TGC  
K D R A R Q E N P C G P C  
+110 +115 +117 +120

495 TCA GAG CGG AGA AAG CAT TTG TTT GTA CAA GAT CCG CAG ACG  
121 S E R R K H L F V Q D P Q T  
+125 +130

TGT AAA TGT TCC TGC AAA AAC ACA GAC TCG CGT TGC AAG  
C K C S C K N T D S R C K  
+135 +137 +139 +140 +145 +146



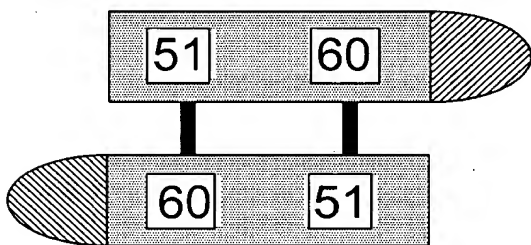
Inventor: Keyt et al.  
Docket No.: 11669.0165US01  
Title: VARIANTS OF VASCULAR ENDOTHELIAL CELL GROWTH FACTOR HAVING  
ANTAGONISTIC PROPERTIES  
Serial No.: 09/734,443  
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FIG.1B

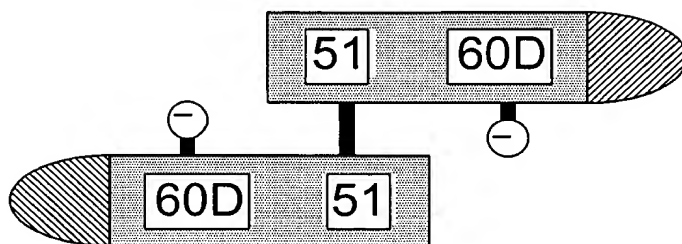
576 GCG AGG CAG CTT GAG TTA AAC GAA CGT ACT TGC AGA TGT GAC  
148 A R Q L E L N E R T C R C D  
+150 +155 +158 +160  
AAG CCG AGG CGG TGA GCCGGGCA GGAGGAAGGA GCCTCCCTCA  
K P R R O  
+165  
661 GGGTTTCGGG AACCAGATCT CTCACCAGGA AAGACTGATA CAGAACGATC  
GATACAGAAA CCACGCTGCC GCCACCACAC CATCACCATC GACAGAACAG  
761 TCCTTAATCC AGAAACCTGA AATGAAGGAA GAGGAGACTC TCGCAGAGC  
ACTTTGGGTC CGGAGGGCGA GACTCCGGCG GAAGCATTCC CGGGCGGGTG  
861 ACCCAGCACG GTCCCTCTTG GAATTGGATT CGCCATTTTA TTTTCTTG  
TGCTAAATCA CCGAGCCCGG AAGATTAGAG AGTTTTATTT CTGGGATTCC  
961 TGTAGACACA CCGCGGCCGC CAGCACACTG



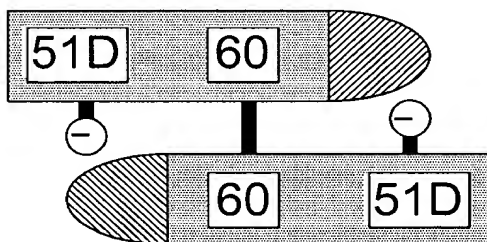
FIG.2



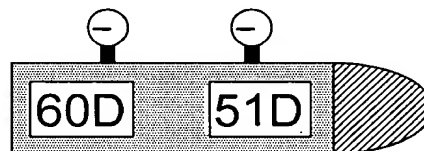
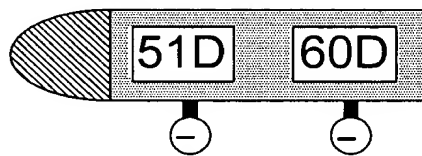
Native VEGF



C60D VEGF



C51D VEGF



C51D, C60D



FIG.3

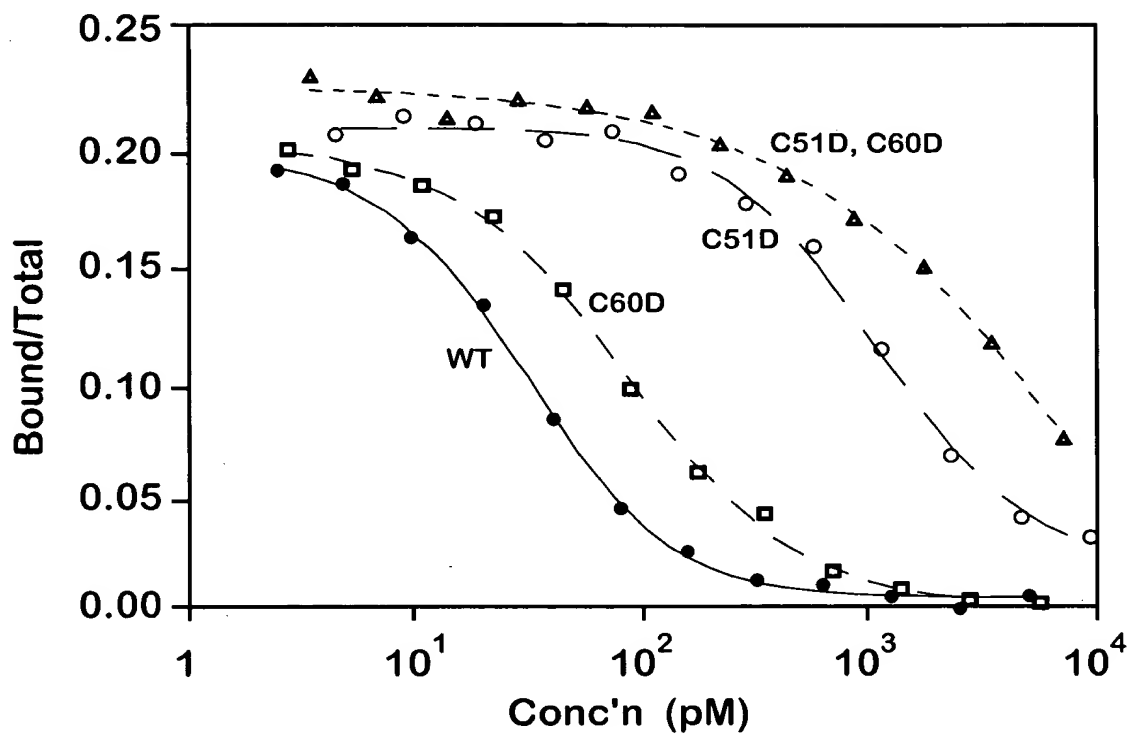




FIG.4

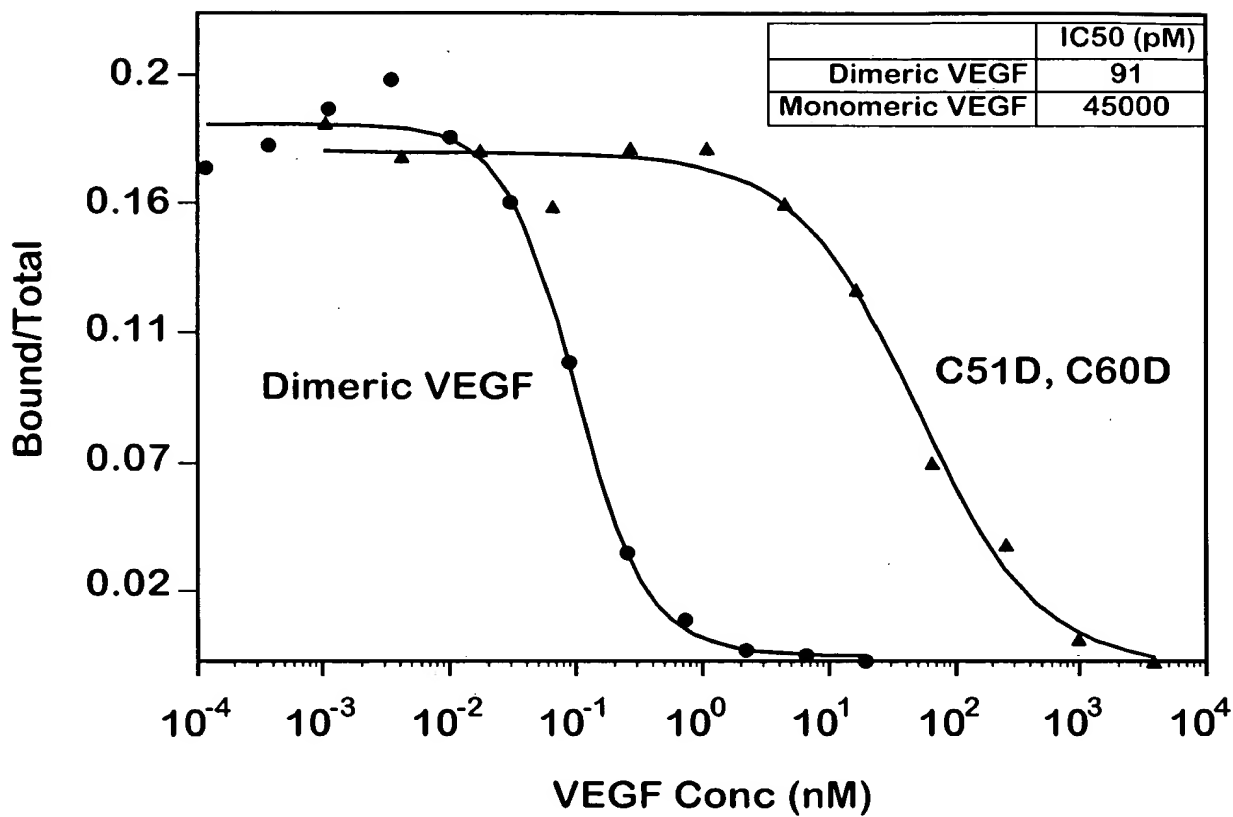
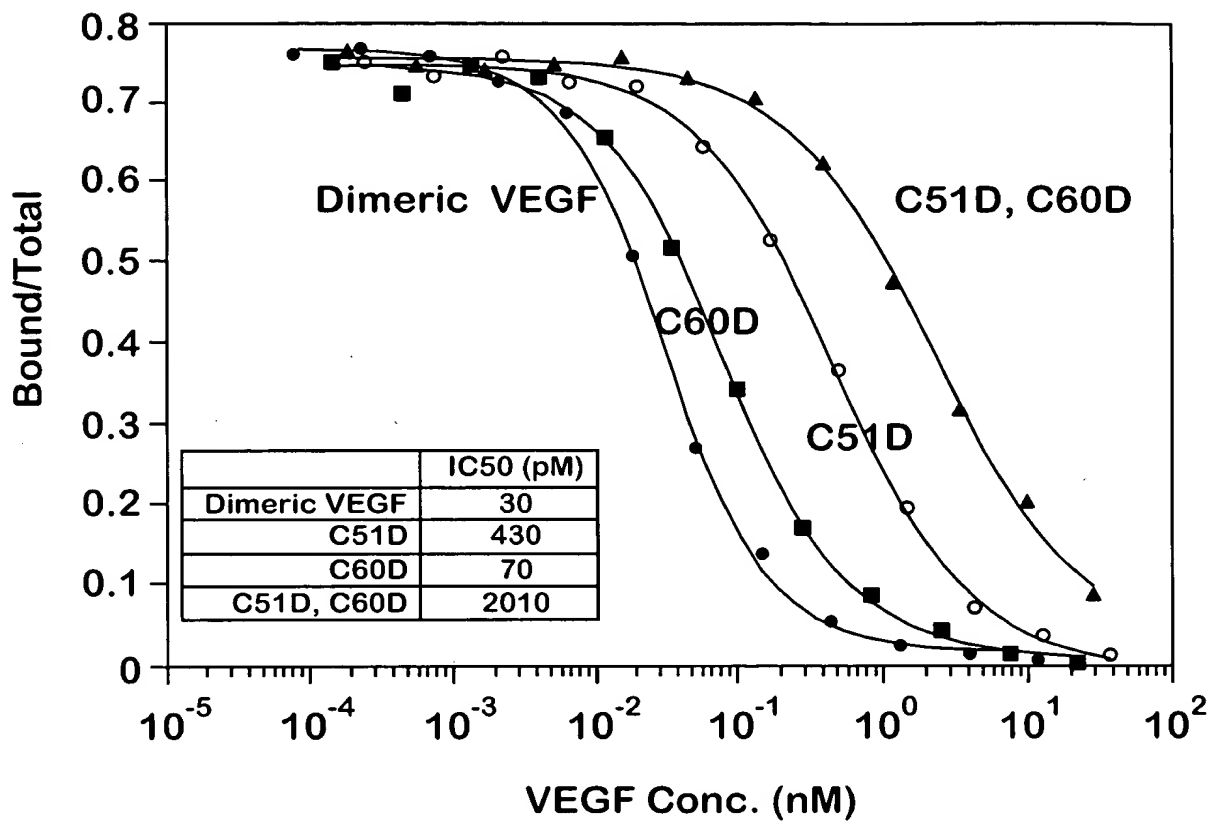




FIG.5



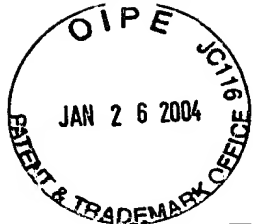


FIG.6

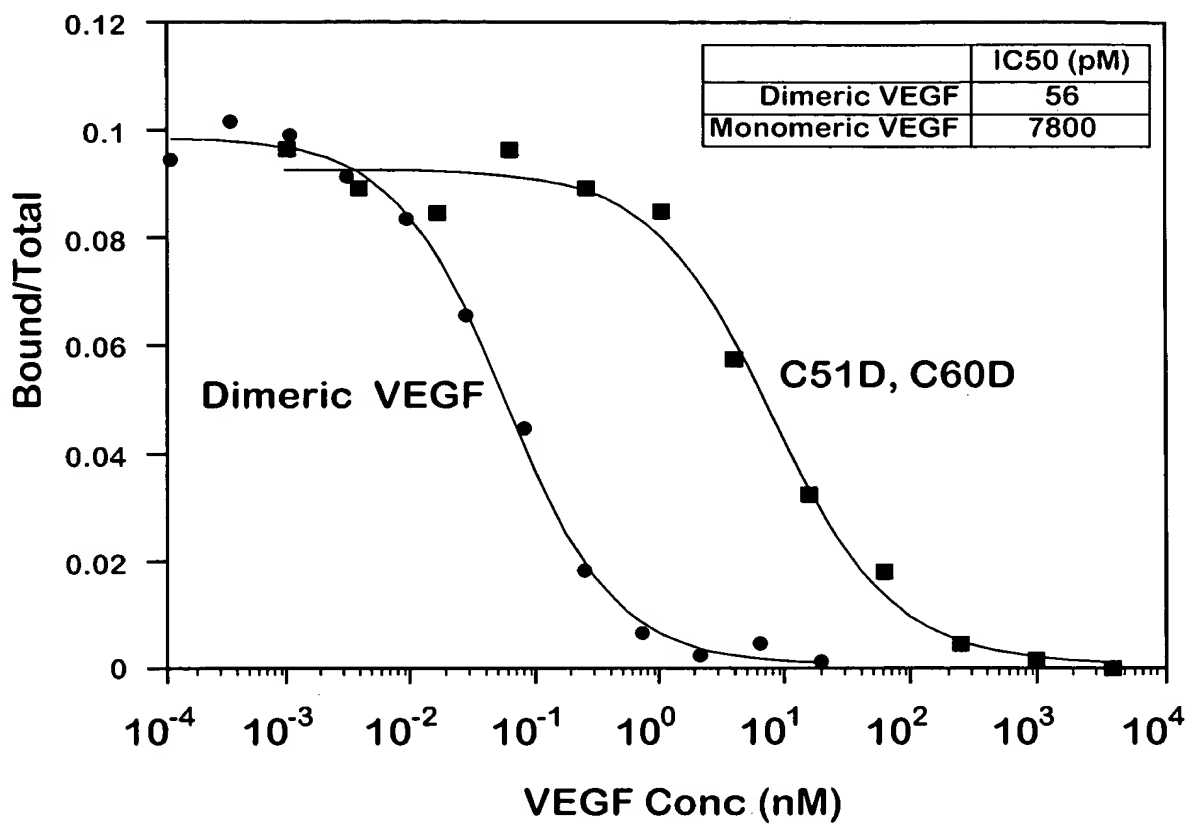
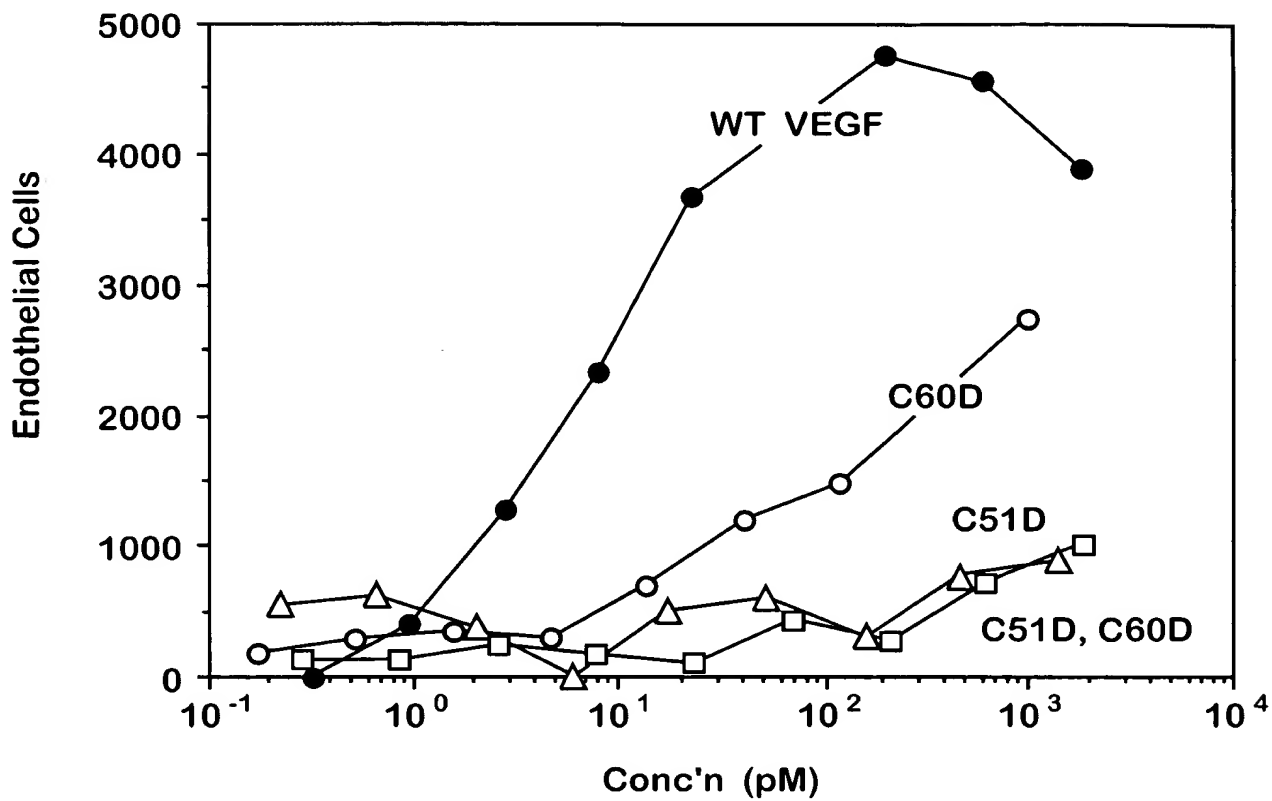




FIG.7







Inventor: Keyt et al.  
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FIG.8

